STENHØJ T63514
Piston compressors
B-LINE type PL/TE/PE

Rev.: 29-07-2005 Årgang 2005 Version :D

User manual

STENHØJ

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Congratulations with your new imported STENHØJ piston compressor.

Please read and follow these instructions carefully, prior to using your new piston compressor.

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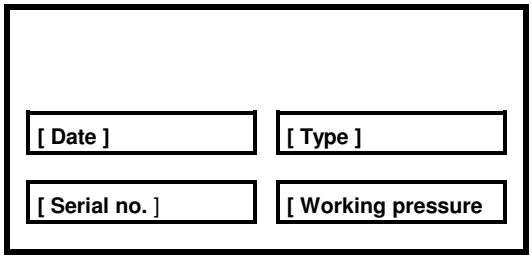
1.0 List of models

1.1 Name plate



1.2 Technical data

Model no.	Model	Size of air receiver [L]	Output [L/min]	R.P.M.	No of cylinders	Pressure stage	Pressure [bar]	D-O-L	Motor [Kw]
C60100	PL30	50	235	1250	2	1	10	Dir.start	2,2
C60101	PL30	90	235	1250	2	1	10	Dir.start	2,2
C60200	PL50	90	370	1225	2	1	10	Dir.start	3
C60201	PL50	150	370	1225	2	1	10	Dir.start	3
C60202	PE50B	150	340	970	2	1	10	Dir.start	3
C60203	PE50B	280	420	1050	2	1	10	Dir.start	4
C60303	PL75	190	540	960	3	2	10	Dir.start	4
C60304	PL75	280	540	960	3	2	10	Dir.start	4
C60305	PL75	500	540	960	3	2	10	Dir.start	4
C60300	PL75	190	715	1050	3	2	10	Dir.start	5,5
C60310	PL75	190	715	1050	3	2	10	Y/D	5,5
C60301	PL75	280	715	1050	3	2	10	Dir.start	5,5
C60311	PL75	280	715	1050	3	2	10	Y/D	5,5
C60302	PL75	500	715	1050	3	2	10	Dir.start	5,5
C60312	PL75	500	715	1050	3	2	10	Y/D	5,5
C60402	PL100	190	900	1100	3	1	10	Dir.start	7,5
C60412	PL100	190	900	1100	3	1	10	Y/D	7,5
C60400	PL100	280	900	1100	3	1	10	Dir.start	7,5
C60410	PL100	280	900	1100	3	1	10	Y/D	7,5
C60401	PL100	500	900	1100	3	1	10	Dir.start	7,5
C60411	PL100	500	900	1100	3	1	10	Y/D	7,5
C61201	TE50	150	290	970	2	2	15	Dir.start	3
C61200	TE50	280	310	1050	2	2	15	Dir.start	4
C61303	TE75	190	450	900	3	2	15	Dir.start	4
C61302	TE75	280	450	900	3	2	15	Dir.start	4
C61300	TE75	280	650	1050	3	2	15	Dir.start	5,5
C61310	TE75	280	650	1050	3	2	15	Y/D	5,5
C61301	TE75	500	650	1050	3	2	15	Dir.start	5,5
C61311	TE75	500	650	1050	3	2	15	Y/D	5,5
C61400	TE100	280	800	1270	2	2	15	Dir.start	7,5
C61410	TE100	280	800	1270	2	2	15	Y/D	7,5
C61401	TE100	500	800	1270	2	2	15	Dir.start	7,5
C61411	TE100	500	800	1270	2	2	15	Y/D	7,5
*C62100	PL 30	50	235	1250	2	1	10	Dir.start	2,2
*C62101	PL 30	90	235	1250	2	1	10	Dir.start	2,2
*C62200	PL 50	90	370	1225	2	1	10	Dir.start	3
*C62201	PL 50	150	370	1225	2	1	10	Dir.start	3
*C62202	PE50B	90	340	970	2	1	10	Dir.start	3
*C62203	PE50B	150	420	1050	2	1	10	Dir.start	4
*C62300	PL 75	150	540	960	3	2	10	Dir.start	4
*C63200	TE 50	90	290	970	2	2	15	Dir.start	3
*C63201	TE 50	150	310	1050	2	2	15	Dir.start	4
*C63300	TE 75	150	450	900	3	2	15	Dir.start	4
*C63301	TE 75	150	650	1050	3	2	15	Dir.start	5,5
*C63311	TE 75	150	650	1050	3	2	15	Y/D	5,5
**C64300	PE 50B	275	420	1050	2	1	10	Dir.start	4
**C64304	PL 75	275	540	960	3	2	10	Dir-start	4
**C64311	PL 75	275	715	1050	3	2	10	Y/D	5,5
**C64410	PL100	275	900	1100	3	1	10	Y/D	7,5
**C66200	TE 50	275	310	1050	2	2	15	Dir.start	4
**C66302	TE 75	275	450	900	3	2	15	Dir.start	4
**C66310	TE 75	275	650	1050	3	2	15	Y/D	5,5
**C66410	TE100	275	800	1270	2	2	15	Y/D	7,5

*Mobile compressor unit, ** Vertical compressor unit

2.0 Before using your compressor

When you have unpacked your compressor, kindly check carefully that the product is without defects and that nothing is missing. Kindly contact your STENHØJ distributor if you should find defects .
Stationary compressor units must be mounted on vibration dampers. Connection to mains supply always to be carried out by STENHØJ service engineer or authorized electrician.

2.1 Safety precautions

Control of electric cable

Isolation of electric cable must not have fissures or other defects. If in doubt, contact your STENHØJ distributor. If an extension cable is required, this must as a minimum be of same dimension as cable on compressor.

Voltage, current and circuit breaker

Check whether voltage and current of compressor are in accordance with voltage and current of mains supply. Furthermore, check whether correct main fuses are used.

WARNING

Never dismantle safety valves or other compressor parts when pressure is on. The high air receiver pressure might make parts projectile!

3.0 Function

3.1 Function

The compressor unit compresses atmospheric air to a high pressure via the pump unit on the compressor. The compressed air is then stocked in the air receiver. The high pressure is used as a propellant.

3.2 Usage

The compressor unit is used primarily as a propellant for air-operated tools; e.g. nut tighteners, grinders, power drills, scutchers, paint guns, blow guns, sand blast machines etc. The compressor unit can also be used to operate various production plants and machines. If in doubt about usage, please contact your STENHØJ distributor.

It is of the utmost importance that you when using the compressor are aware of its capacity in relation to the connected air-operated tool. The compressor unit must match the consumption, otherwise there is a risk that the compressor is overloaded.

3.3 Limitations

Do not use compressed air directly as breathing matter. If you require air in such a quality, kindly contact your STENHØJ distributor. If you have any questions in this regard, please contact your STENHØJ distributor.

IMPORTANT

Never direct outlet air towards human beings or animals.

4.0 Operation instructions

4.1 Where to place the compressor unit

The compressor unit can be placed any place dry and frost-proof. We recommend that it is placed in a cool room.
If the unit is placed near a wall it must be placed with flywheel towards the wall. Distance from wall to belt guard min. 400 mm. Distance from unit to ceiling min. 500 mm.

4.2 Temperature

Place unit in as cool a room as possible.
The surrounding temperature to be in the area from +5 C to +20 C measured at intake of refrigerated air.
If placed outdoors the compressor must be protected agains snow, rain and cold.
Do not place compressor outdoors if climate is very cold, as frost might cause starting problems.

4.3 Start/stop-function

The compressor unit must be connected to a motor starter. If not, please contact your STENHØJ service engineer or an electrician.
Start compressor by turning grey button on pressure switch to AUTO. When compressor has reached max. pressure, the motor will stop automatically and will start again when pressure in air receiver drops. If the compressor is not to be used for a longer period of time, turn grey button away from AUTO.
Please check direction of rotation of flywheel the first time you use the compressor unit. It must follow direction of red pointer on motor. If not, stop the compressor and call your STENHØJ service engineer. Read level in oil-level glass. Oil level = ½ full glass.

IMPORTANT

Check that max. pressure of unit is not exceeded. The white pointer in manometer must not show higher pressure than red pointer.

4.4 Pressurizing

If motor is overloaded, the motor starter will stop the compressor unit. For safety reasons a safety valve is fitted with the pressure switch, the function of which is to equalize pressure if this exceeds max. allowable pressure for the unit in question. Do no touch the safety valve.
Adjustment of max. pressure of press switch and differential pressure has been carried out at the factory. If re-adjustment is required do as follows when pressure is on: Dismantle pressure switch cover. Adjust max. pressure on the big screw. If higher pressure is required turn clockwise. Adjustment of differential pressure on small screw. For higher differential pressure turn clockwise.

IMPORTANT

Never adjust to higher working pressure than shown by red pointer on manometer

4.5 Approval of compressor unit

In Denmark air receivers are subject to notification no. 746 of November 26th 1987 issued by the Directorate of Labour Inspection. According to this notification the receiver must be placed so that it is possible to inspect it.

With regards to air receiver with pressure in bar times volume in liter higher than 2000 the following is valid: STENHØJ KOMPRESSOR A/S notifies the Directorate of Labour Inspection, provided that user's name and address are known; otherwise notification and log book are sent to the wholesaler.
The owner of the unit is obligated to notify the Directorate of Labour Inspection when unit has been installed.
Inspection of air receiver is done when mounting it and then every other year. Internal and external inspection to take place every fourth year.
Last inspection date must be stamped on air receiver by the inspector.
Inspection to take place first time prior to using the air receiver; and also after rebuilding, major repair or after having moved the air receiver.
All dates and results of inspections is to be noted in the log book.

The owner or user of air receiver is obligated to having it inspected. Inspection always to be carried out by a person authorized by the Directorate of Labour Inspection.

5.0 Maintenance

5.1 Maintenance

The lifetime of the compressor unit depends on the maintenance carried out. Therefore check regularly oil level, belt tension and suction filter, and keep compressor block and motor clean. (Especially oleaginous dust on ribs reduces cooling).

Oil: Change oil after app. 50 operating hours and thereafter every 900 operating hours, however, as a minimum every 6 months. Compressor unit to be warm after operation when draining/re-filling oil.
Check oil-level glass. Level: ½ full oil-level glass.

Belt tension: Check after app. 20 operating hours initial tensions of belt as follows: press with a power of 40-50 N (4-5 kp) downwards on each belt on middle between flywheel and belt pulley. Belt must be pushed app. 10 mm downwards. Tighten up if necessary.

Drainage of water: It is likewise important that air receiver is drained of water every 2
weeks. Water must be removed in a legal way. (Draining off at bottom of air receiver).

Filter: Depending on surroundings of compressor the filter cartridge in suction filter must be changed regularly.

5.2 Oil type

STENHØJ KOMPRESSOR A/S recommend that you use **STENHØJ RCS 68** which is a fully synthetic compressor oil. Order **STENHØJ OIL** 1L. no. 341705.

5.3 Environmental demands

Do no pour oil directly on soil when having changed it. Contact local authorities administration to get information on depositing.

6.0 Trouble shooting

- **IMPORTANT**
  1) Switch off the current before removing any parts from the compressor.
  2) Empty the air receiver of air before dismantling any part of the compressor unit's pressure system.

SYMPTOM	CAUSE	REMEDY
A. Compressor unit will not start automatically.	Fault in electrical installation: a. Current supply failure. b. Voltage stop. c. Motor starter (or star -delta d. starter) faulty. e. Motor incorrectly connected or faulty.	Let an electrician check the electrical installation in accordance.
	Pressure switch defective.	Replace it. ☽
B. Compressor unit starts, but stops again after only a few revolutions.	Non-return valve leaking. (Compressor unit is not relieved during start)	a. Clean valve seat. b. Inspect piston and replace if necessary.
	Non-return valve blocked, possibly frozen up.	Thaw the non-return valve out. The unit must be installed in a frost-free place.
	Solenoid valve lacking or defective on star-delta start.	Let an electrician check the electrical installation in accordance.
C. Compressor unit will not stop automatically.	Pressure switch defective.	Replace it. ☽
	Pressure switch set at a pressure higher than the safety valve's opening pressure.	Adjust pressure switch (page 5) or change safety valve ☽
D. Relief valve under pressure switch blows during standstill.	Non-return valve leaking.	Clean non-return valve. (See B)
E. Relief valve under pressure switch blows during operation.	Relief valve leaking	Clean or change relief valve. ☽
F. Compressor can not attain the required working pressure.	Suction filter blocked	Clean or replace insert
	V-belt too slack	Tighten V-belt (see page 7)
	Leak between compressor block and air receiver. Leak in or near the air reciever.	Tighten connections and repair the leak. ☽
	Valves blocked by dirt or coked up.	Clean or change valves. ☽
	Inspection cover on the air receiver leaking.	Empty air receiver and change the seal. ☽

☽ = It is recommended to call local STENHØJ fitter.

6.0 Trouble shooting

SYMTOM	CAUSE	REMEDY
F. Compressor can not attain the required working pressure.	Inlet underdimensioned, e.g. inlet pipe between inlet and compressor.	Dimension inlet pipe correctly - larger fresh air intake.
	Pressure gauge defective.	Replace it.
	Unit too small in proportion to air consumption.	Connect further capacity.
	Compressor worn	Have compressor overhauled, or replace it. ☽
G. Noise from compressor.	Bolts loose	Tighten bolts.
	V-belt, flywheel or cooling coil touching belt guard.	Find place of contact and remedy the fault.
	Vibrations of the compressor is transferred to the air net	Insert a connecting hose between the unit and the air net.☽
	Flywheel loose.	Tighten the flywheel.
	Unit installed on an unsuitable foundation.	Move the unit to a more solid foundation - fit vibration dampers.
	Non-return valve defective.	Replace the valve. ☽
	Bearings, piston rings or cylinder worn.	Replace the worn parts. ☽
	Bearings of electric motor worn	Have the motor bearings replaced. ☽
H. Compressor becomes too hot.	Insufficient ventilation.	See that sufficient air is supplied to flywheel of compressor.
	Oil level too low (check 2 or 3 minutes after stopping).	Fill with oil up to centre of oil level glass.
	Wrong direction of rotation.	Cooling air from flywheel must blow towards compressor. ☽
	Dirt on cooling ribs or inlet grate.	Clean cooling ribs and inlet grate in the belt guard.
	Unit working at too high pressure.	Set working pressure in accordance with factory's recommandation. ☽
	Non-return valve partly blocked.	Clean or thaw out the non-return valve (see point B)
I. Compressor unit starts and stops more frequently than usual.	Leaks in control unit or inspection cover.	Locate leaks (by means of soapy water) and repair.
	Air receiver too small.	Connect an extra air receiver.
	Too low differential pressure.	Adjust pressure switch. ☽
J. Compressor unit starts when no air is being tapped.	Leaks in piping or at tapping points.	Locate and repair leaks.

☽ = It is recommended to call local STENHØJ fitter.

6.0 Trouble shooting

SYMTOM	CAUSE	REMEDY
K. Compressor's oil consumption rises.	Too much oil in compressor.	Check oil level 2 or 3 minutes after stopping.
	Leaks around crank case.	Change packing and inspect packing surface. Repair or replace defective parts. ☽
	Orperating temperature of compressor to high because of insufficient cooling.	See page 5
	Cylinder worn	Change piston rings, or have the compressor overhauled or replaced. ☽
L. Oil in outlet air.	Cylinder worn	Change piston rings, or have the compressor overhauled or replaced. ☽
	Excessive oil consumption.	See point K.
M.Condensation at tapping point.	Delivery temperature of air from air receiver too high.	a. Use a larger air receiver. b. Insert an aftercooler c. Fit refrigeration dryer.
	Compressor taking in air which is too warm.	Fresh air supply.
N. Electric motor too warm: max. temperature 90° C (194° F).	Operaional voltage too low	Call an electrician.
	Faults in electrical installation or electric motor.	Call an electrician.
	Cooling ribs of electric motor blocked by dirt.	Clean cooling ribs.
	V-belt too tight/slack.	See page 7.
	Overloading.	See point B.

☽ = It is recommended to call local STENHØJ fitter.

7.0 Warranty

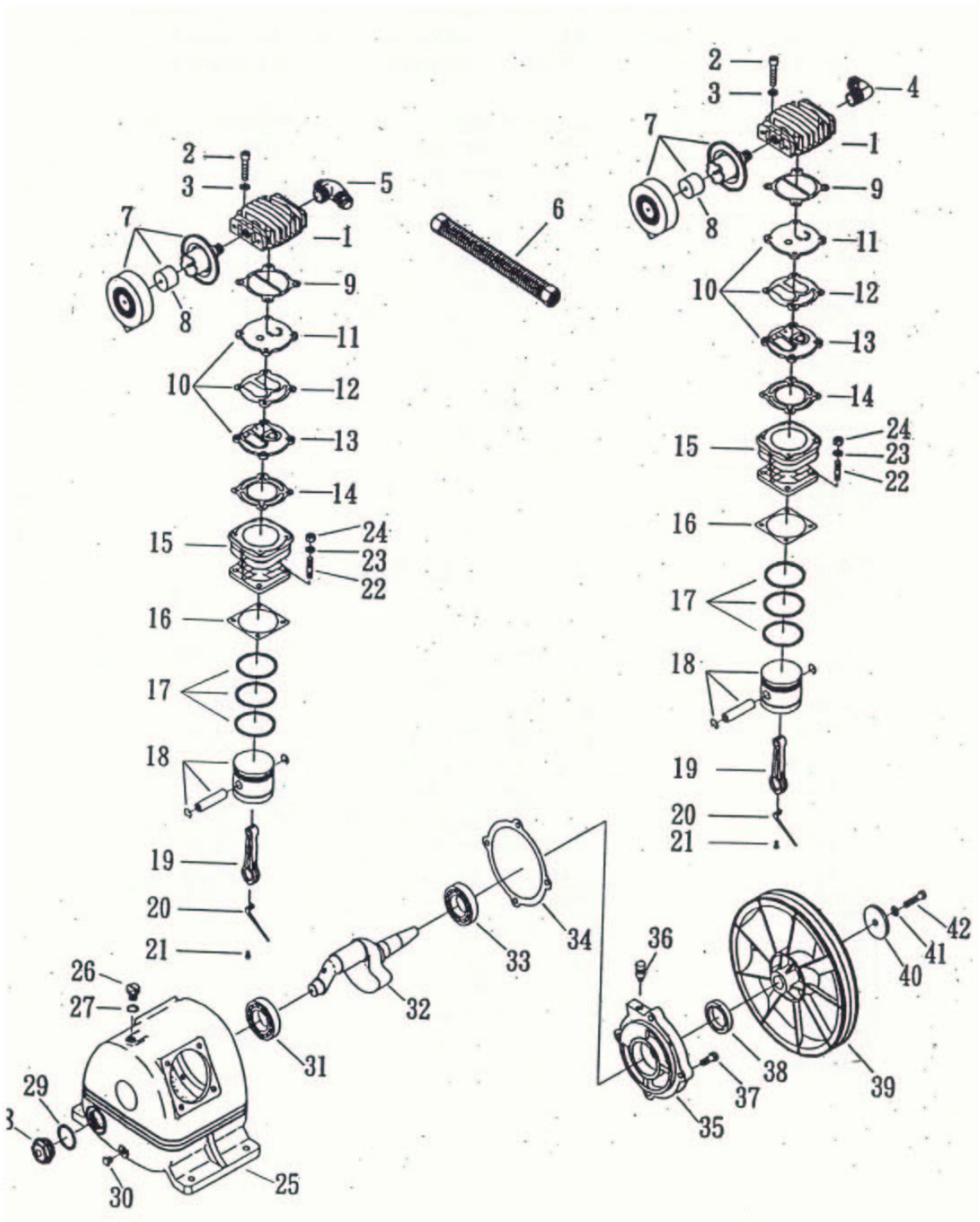
Warranty covers defects in manufacture or material 12 months as from invoicedate; provided that these instructions have been followed carefully and that the compressor unit has been installed in a neutral atmosphere.

8.0 Spare parts

STENHØJ offers the following spare parts kit for the various compressor types. Kindly note that only the spare parts kits as listed below are available.The kits are defined on the following pages.

Ref. no.	Designation	Compressor type
C49409	Packing kit, complete	PL30
C49310	Piston kit, complete, LT	PL30
C49210	Piston ring kit, complete, LT	PL30
C49110	Valve kit, complete, LT	PL30
C49402	Packing kit, complete	PL50
C49302	Piston kit, complete, LT	PL50
C49202	Piston ring kit, complete, LT	PL50
C49102	Valve kit, complete, LT	PL50
C49403	Packing kit, complete	PL100
C49303	Piston kit, complete, LT	PL100
C49203	Piston ring kit, complete, LT	PL100
C49103	Valve kit, complete, LT	PL100
C49404	Packing kit, complete	TE50
C49304	Piston kit, complete, LT	TE50
C49305	Piston kit, complete, LT	TE50+PE 50B
C49204	Piston ring kit, complete, HT	TE50
C49205	Piston ring kit, complete, LT	TE50+PE 50B
C49104	Valve kit, complete, HT	TE50
C49105	Valve kit, complete, LT	TE50+PE 50B
C49405	Packing kit, complete	PE 50B
C49406	Packing kit, complete	TE75+PL75
C49306	Piston kit, complete, LT	TE75+PL75
C49307	Piston kit, complete, HT	TE75+PL75
C49206	Piston ring kit, complete, LT	TE75+PL75
C49207	Piston ring kit, complete, HT	TE75+PL75
C49106	Valve kit, complete, HT	TE75+PL75
C49107	Valve kit, complete, LT	TE75+PL75
C49408	Packing kit, complete	TE100
C49308	Piston kit, complete, HT	TE100
C49309	Piston kit, complete, LT	TE100
C49208	Piston ring kit, complete, HT	TE100
C49209	Piston ring kit, complete, LT	TE100
C49108	Valve kit, complete, HT	TE100
C49109	Valve kit, complete, LT	TE100

8.1 Drawing for compressorblock type PL30



8.1 Spare parts kit for compressorblock type PL30

Article no. C49409 Packing kit cpl. consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	2
12	Packing for valve	2
14	Packing for valveseat	2
16	Packing for cylinder	2
27	Oil filling assembly packing	1
29	Oil sight gauge packing	1
34	Bearing seat packing	1

* The spareparts kit is cpl. for the compressorblock

Article no. C49310 Piston kit LP cpl. consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
14	Packing for valveseat	1
16	Packing for cylinder	1
17	Pistonring kit	1
18	Piston kit	1

***** The spareparts kit is only for one cylinder

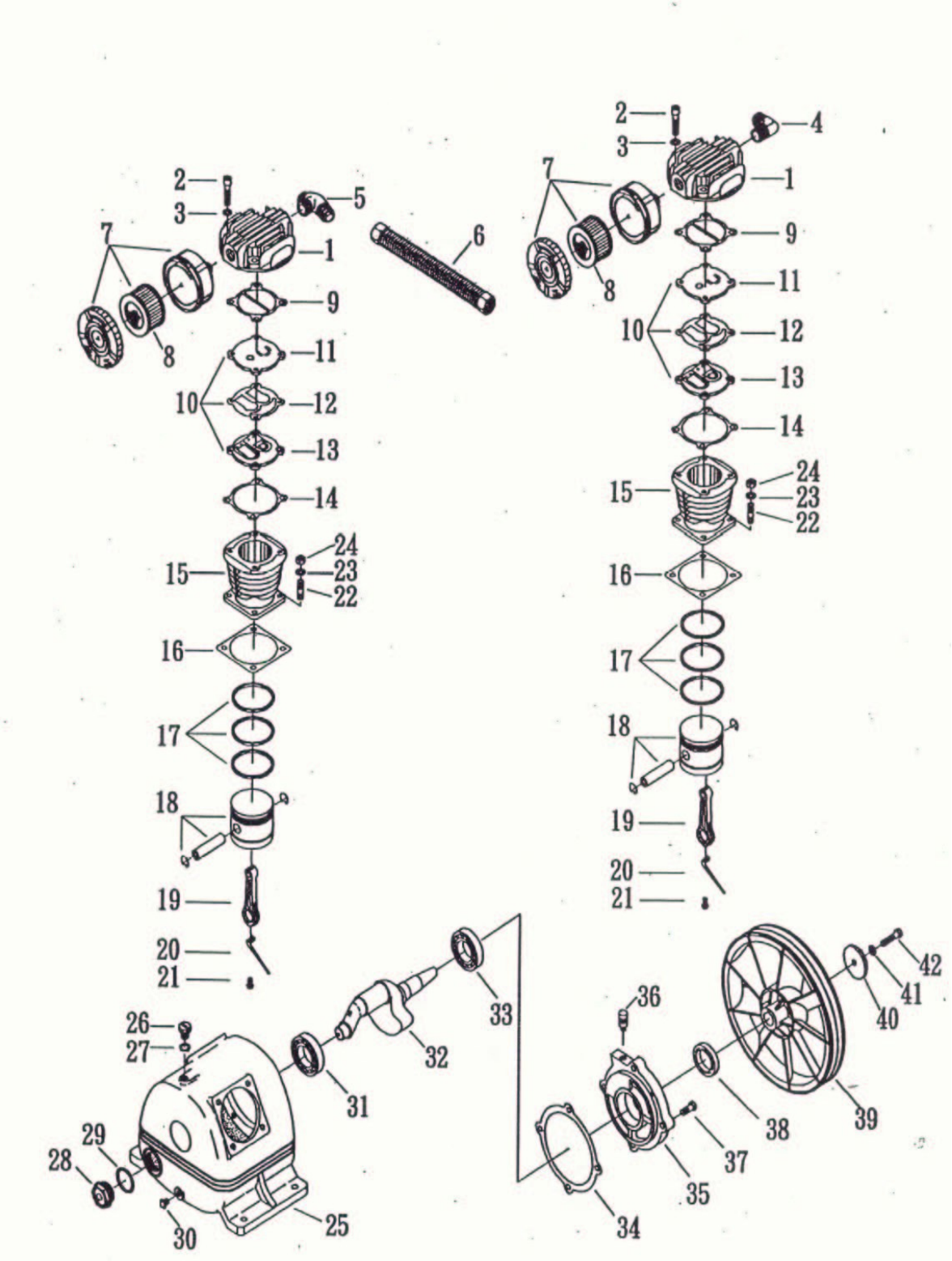
Article no. C49210 Pistonring kit LP cpl. consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
14	Packing for valveseat	1
16	Packing for cylinder	1
17	Pistonring kit	1

***** The spareparts kit is only for one cylinder

Article no. C49110 Valve kit LP cpl. consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
11+13	Valve	1
12	Packing for valve	1
14	Packing for valveseat	1

***** The spareparts kit is only for one cylinder

8.2 Drawing for compressorblock type PL50



8.2 Spare parts kit for compressorblock type PL50

Article no. C49402 Packing kit cpl. consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	2
12	Valve packing	2
14	Valve seat packing	2
16	Cylinder packing	2
27	Oil filling assembly packing	1
29	Oil sight gauge packing	1
34	Rear bearing seat packing	1

***** The spareparts kit is cpl. for the compressorblock

Article no. C49302 Piston kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
14	Valve seat packing	1
16	Cylinder packing	1
17	Pistonring kit	1
18	Piston kit	1

***** The spareparts kit is only for one cylinder

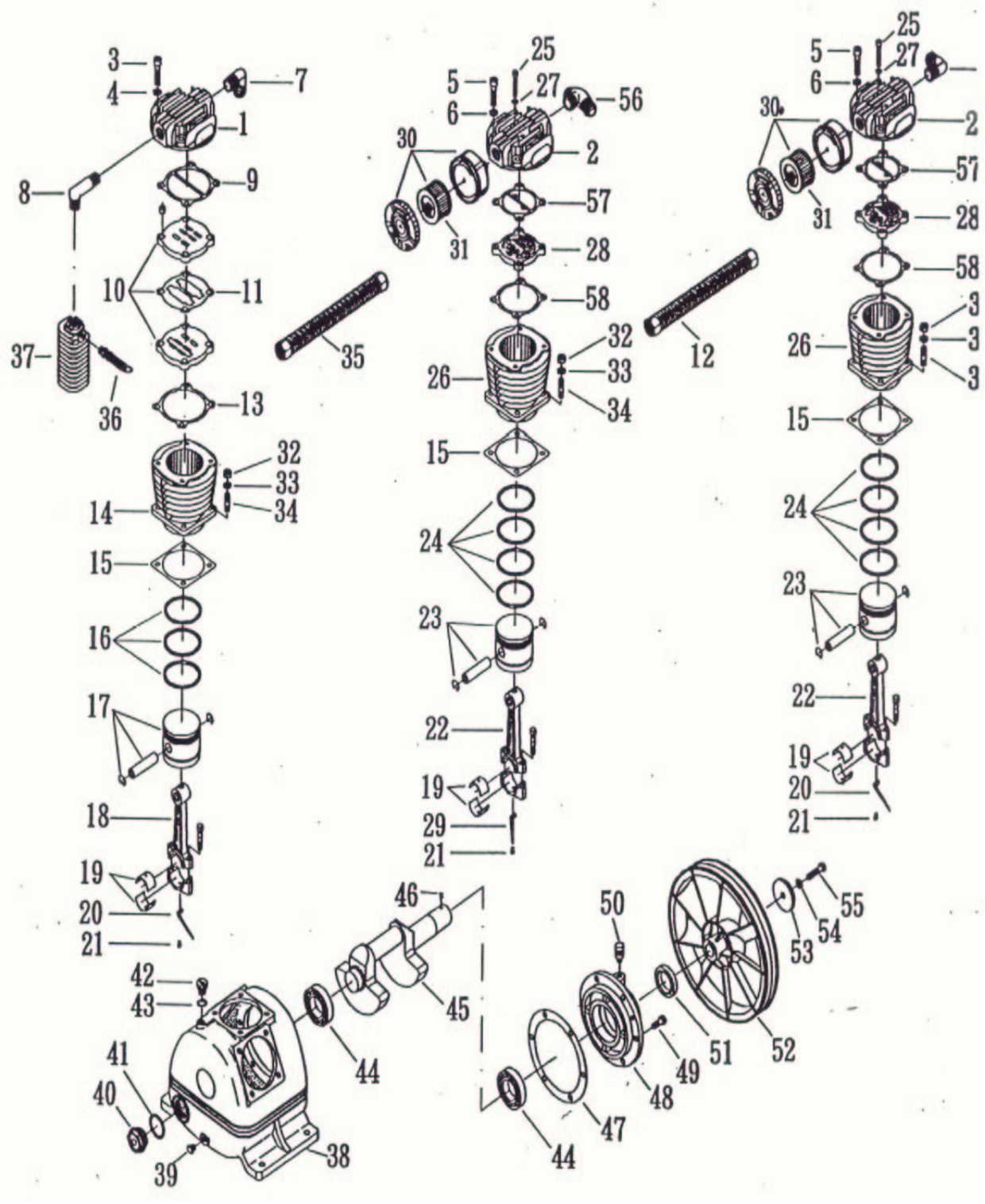
Article no. C49202 Pistonring kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
14	Valve seat packing	1
16	Cylinder packing	1
17	Pistonring kit	1

***** The spareparts kit is only for one cylinder

Article no. C49102 Valve kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
11+13	Valve	1
12	Valve packing	1
14	Valve seat packing	1

***** The spareparts kit is only for one cylinder

8.3 Drawing for compressorblock type PL75



8.3 Spare parts kit for compressorblock type PL75

Article no. C49406 Packing kit cpl. consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
11	Packing for valve seat	1
13	Packing for valve	1
15	Packing for cylinder	3
41	Oil sight gauge packing	1
43	O-ring	1
47	Rear bearing seat packing	1
57	Cylinder head packing	2
58	Packing for valve	2

***** The spareparts kit is cpl. for the compressorblock

Article no. C49306 Piston kit cpl. HP consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
11	Packing for valve seat	1
13	Packing for valve	1
15	Packing for cylinder	1
16	Pistonring kit	1
17	Piston kit	1

***** The spareparts kit is only for one cylinder

Article no. C49307 Piston kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
15	Packing for cylinder	1
23	Piston kit	1
24	Pistonring kit	1
57	Cylinder head packing	1
58	Packing for valve	1

***** The spareparts kit is only for one cylinder

Article no. C49206 Pistonring kit cpl. HP consist.of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
11	Packing for valve seat	1
13	Packing for valve	1
15	Packing for cylinder	1
16	Pistonring kit	1

***** The spareparts kit is only for one cylinder

8.3 Spare parts kit for compressorblock type PL75

Article no. C49207 Pistonring kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
15	Packing for cylinder	1
24	Pistonring kit	1
57	Cylinder head packing	1
58	Packing for valve	1

***** The spareparts kit is only for one cylinder

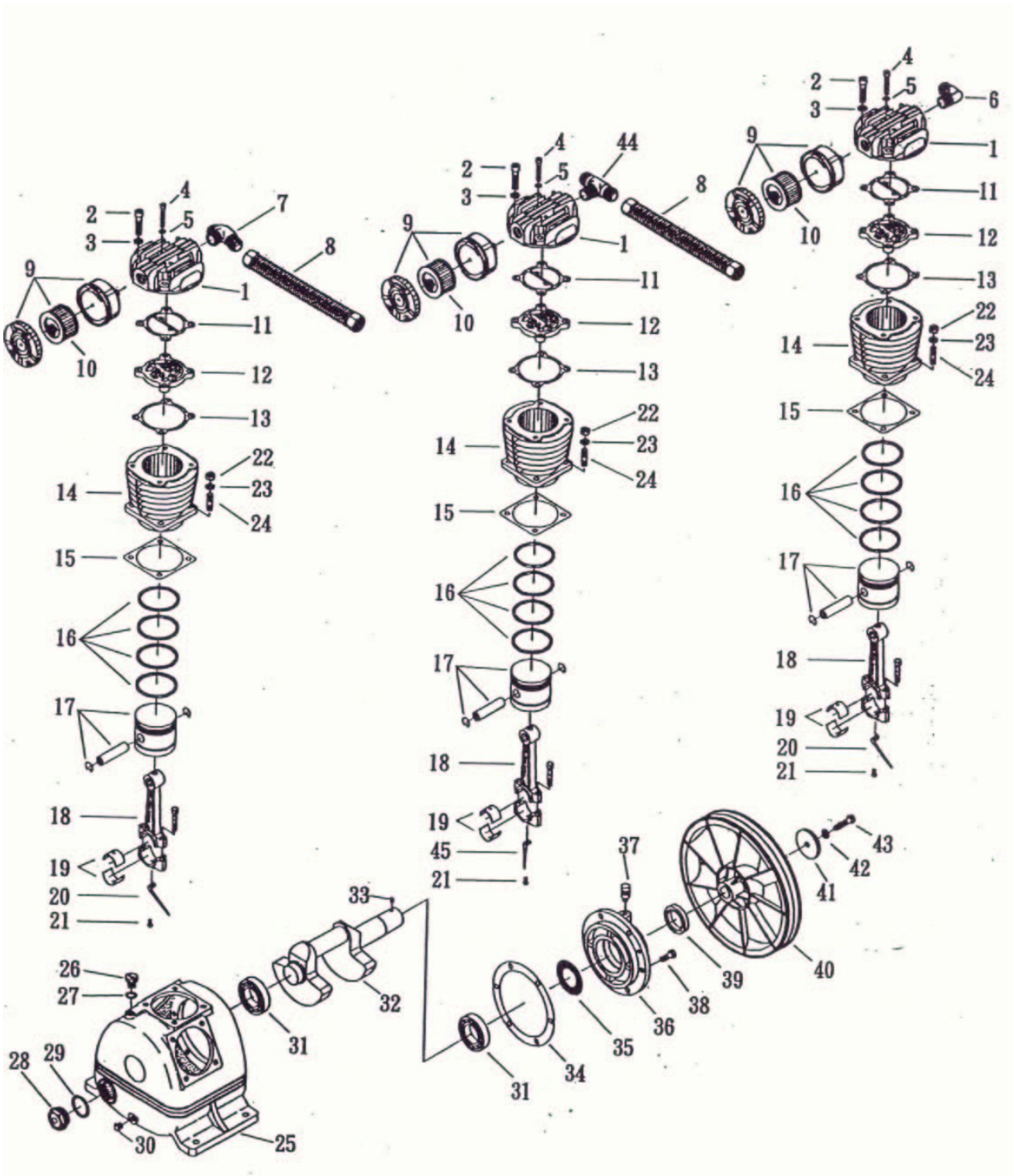
Article no. C49106 Valve kit cpl. HP consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
10	Valve cpl.	1
13	Packing for valve	1

***** The spareparts kit is only for one cylinder

Article no. C49107 Valve kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
28	Valve cpl.	1
57	Cylinder head packing	1
58	Packing for valve	1

***** The spareparts kit is only for one cylinder

8.4 Drawing for compressorblock type PL100



8.4 Spare parts kit for compressorblock type PL100

Article no. C49403 Packing kit cpl. consist. of :		
Ref. no.	**Discription**	**Qty.**
11	Cylinder head packing	3
13	Packing for valve seat	3
15	Packing for cylinder	3
27	O-ring	1
29	Oil sight gauge packing	1
34	Rear bearing seat packing	1

***** The spareparts kit is cpl. for the compressorblock

Article no. C49304 Piston kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
11	Cylinder head packing	1
13	Packing for valve seat	1
15	Packing for cylinder	1
16	Pistonring kit	1
17	Piston kit	1

***** The spareparts kit is only for one cylinder

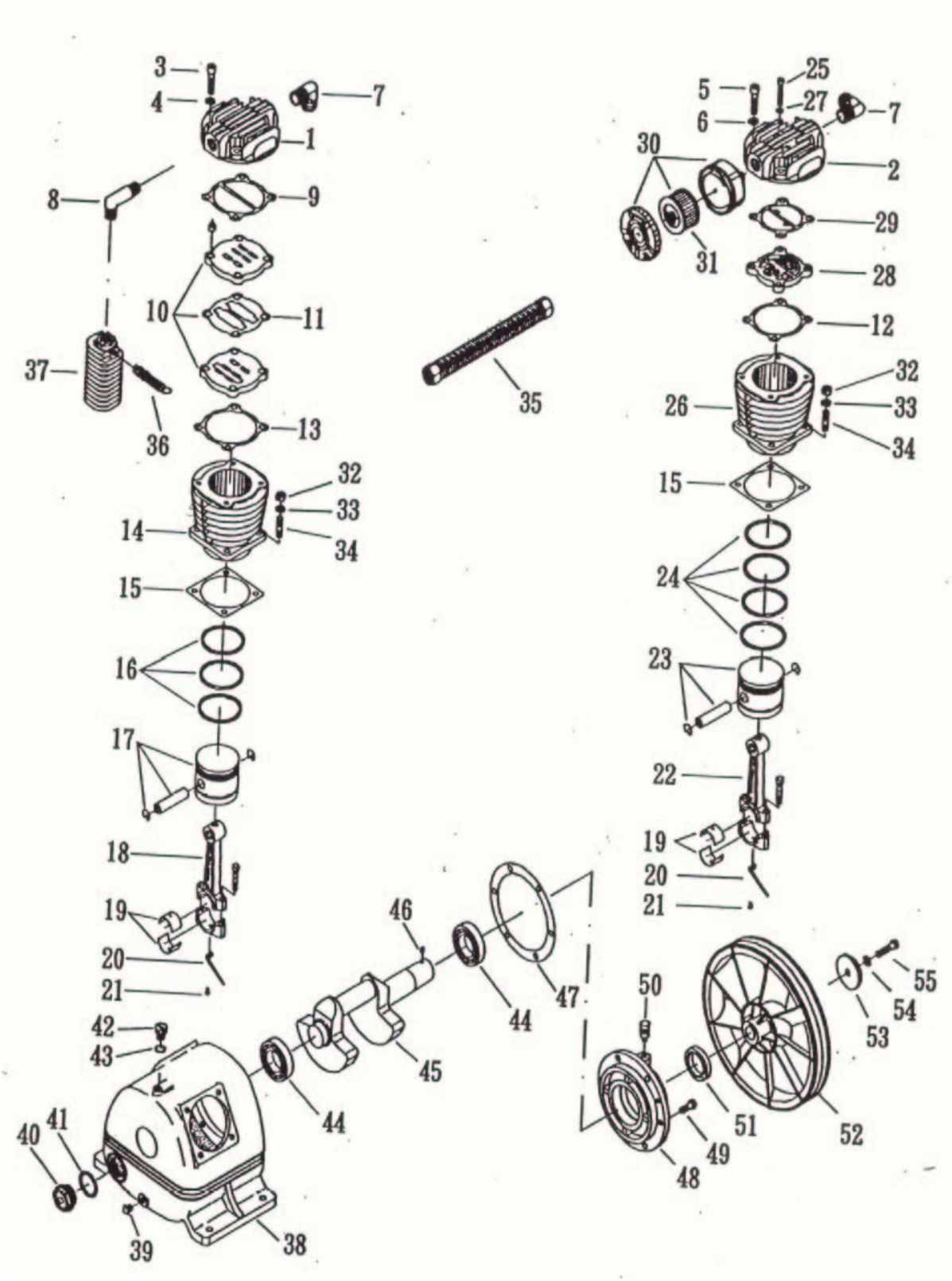
Article no. C49203 Pistonring kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
11	Cylinder head packing	1
13	Packing for valve seat	1
15	Packing for cylinder	1
16	Pistonring kit	1

***** The spareparts kit is only for one cylinder

Article no. C49103 Valve kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
11	Cylinder head packing	1
12	Valve cpl.	1
13	Packing for valve seat	1

***** The spareparts kit is only for one cylinder

8.5 Drawing for compressorblock type TE50



8.5 Spare parts kit for compressorblock type TE50

Article no. C49404 Packing kit cpl. consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
11	Packing for valve	1
12	Packing for valve seat	1
13	Packing for valve seat	1
15	Packing for cylinder	2
29	Cylinder head packing	1
41	Oil sight gauge packing	1
43	O-ring	1
47	Rear bearing seat packing	1

***** The spareparts kit is cpl. for the compressorblock.

Article no. C49304 Piston kit cpl. HP consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
13	Packing for valve seat	1
15	Packing for cylinder	1
16	Pistonring kit	1
17	Piston kit	1

* The spareparts kit is only for one cylinder.

Article no. C49305 Piston kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
12	Packing for valve seat	1
15	Packing for cylinder	1
23	Piston kit	1
24	Pistonring kit	1
29	Cylinder head packing	1

* The spareparts kit is only for one cylinder.

Article no. C49204 Pistonring kit cpl. HP consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
13	Packing for valve seat	1
15	Packing for cylinder	1
16	Pistonring kit	1

* The spareparts kit is only for one cylinder.

8.5 Spare parts kit for compressorblock type TE50

Article no. C49205 Pistonring kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
12	Packing for valve seat	1
15	Packing for cylinder	1
24	Pistonring kit	1
29	Cylinder head packing	1

***** The spareparts kit is only for one cylinder.

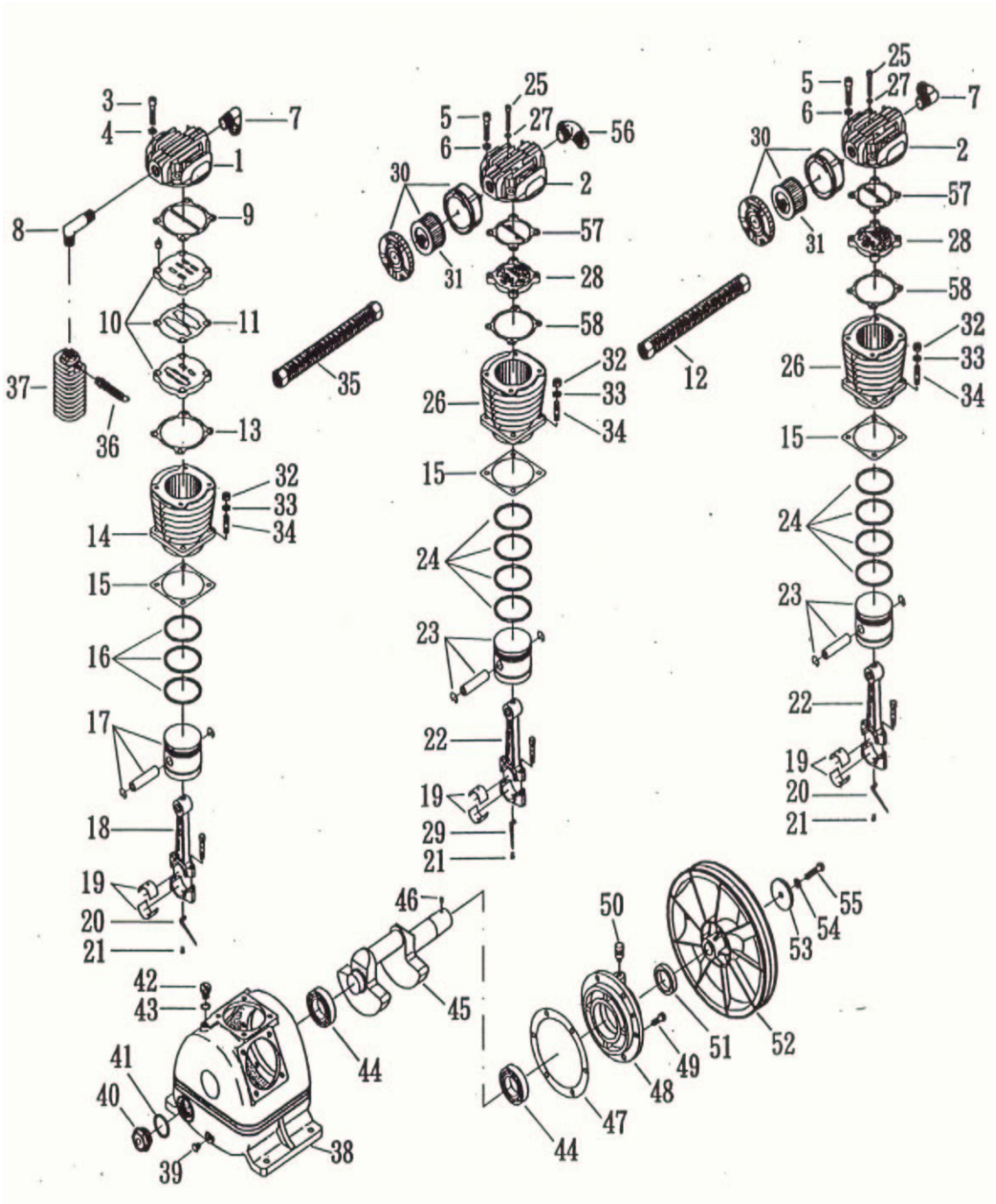
Article no. C49104 Valve kit cpl. HP consist. of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
10	Valve cpl.	1
13	Packing for valve	1

* The spareparts kit is only for one cylinder.

Article no. C49105 Valve kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
12	Packing for valve seat	1
28	Valve cpl.	1
29	Cylinder head packing	1

* The spareparts kit is only for one cylinder.

8.6 Drawing for compressorblock type TE75



8.6 Spare parts kit for compressorblock type TE75

Article no. C49406 Packing kit cpl. consist of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
11	Packing for valve seat	1
13	Packing for valve	1
15	Packing for cylinder	3
41	Oil sight gauge packing	1
43	O-ring	1
47	Rear bearing seat packing	1
57	Cylinder head packing	2
58	Packing for valve	2

***** The spareparts kit is cpl. for the compressorblock.

Article no. C49306 Piston kit cpl. HP consist of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
11	Packing for valve seat	1
13	Packing for valve	1
15	Packing for cylinder	1
16	Pistonring kit	1
17	Piston kit	

***** The spareparts kit is only for one cylinder.

Article no. C49307 Piston kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
15	Packing for cylinder	1
23	Piston kit	1
24	Pistonring kit	1
57	Cylinder head packing	1
58	Packing for valve	1

***** The spareparts kit is only for one cylinder.

Article no. C49206 Pistonring kit cpl. HP consist of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
11	Packing for valve seat	1
13	Packing for valve	1
15	Packing for cylinder	1
16	Pistonring kit	1

***** The spareparts kit is only for one cylinder.

8.6 Spare parts kit for compressorblock type TE75

Article no. C49207 Pistonring kit cpl. LP consist of :		
Ref. no.	**Discription**	**Qty.**
15	Packing for cylinder	1
24	Pistonring kit	1
57	Cylinder head packing	1
58	Packing for valve	1

***** The spareparts kit is only for one cylinder.

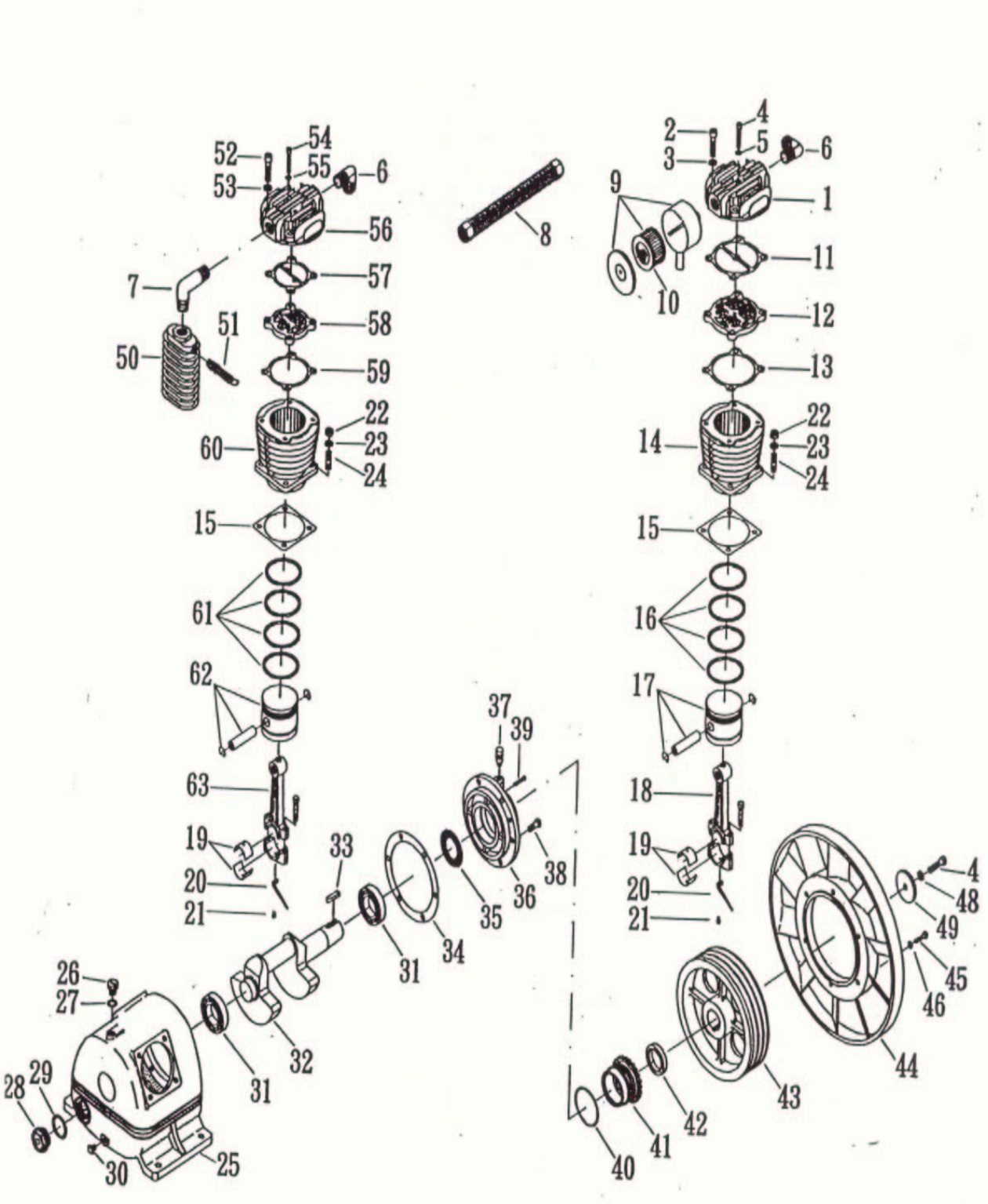
Article no. C49106 Valve kit cpl. HP consist of :		
Ref. no.	**Discription**	**Qty.**
9	Cylinder head packing	1
10	Valve cpl.	1
13	Packing for valve	1

***** The spareparts kit is only for one cylinder.

Article no. C49107 Valve kit cpl. LP consist of :		
Ref. no.	**Discription**	**Qty.**
28	Valve cpl.	1
57	Cylinder head packing	1
58	Packing for valve	1

***** The spareparts kit is only for one cylinder.

8.7 Drawing for compressorblock type TE100



8.7 Spare parts for for compressorblock type TE100

Article no. C49408 Packing cpl. consist of :		
Ref. no.	**Discription**	**Qty.**
11	Cylinder head packing	1
13	Packing for valve seat	1
15	Packing for cylinder	2
27	O-ring	1
29	Oil sight gauge packing	1
34	Rear bearing seat packing	1
40	O-ring	1
57	Cylinder head packing	1
59	Packing for valve seat	1

***** The spareparts kit is cpl. for the compressorblock.

Article no. C49308 Piston kit cpl. HP consist of :		
Ref. no.	**Discription**	**Qty.**
15	Packing for cylinder	1
57	Cylinder head packing	1
59	Packing for valve seat	1
61	Pistonring kit	1
62	Piston kit	1

***** The spareparts kit is only for one cylinder.

Article no. C49309 Piston kit cpl. LP consist of :		
Ref. no.	**Discription**	**Qty.**
11	Cylinder head packing	1
13	Packing for valve	1
15	Packing for cylinder	1
16	Pistonring kit	1
17	Piston kit	1

***** The spareparts kit is only for one cylinder.

Article no. C49208 Pistonring kit cpl. HP consist of :		
Ref. no.	**Discription**	**Qty.**
15	Packing for cylinder	1
57	Cylinder head packing	1
59	Packing for valve seat	1
61	Pistonring kit	1

***** The spareparts kit is only for one cylinder.

8.7 Spare parts kit for compressorblock type TE100

Article no. C49209 Pistonring kit cpl. LP consist of :		
Ref. no.	**Discription**	**Qty.**
11	Cylinder head packing	1
13	Packing for valve seat	1
15	Packing for cylinder	1
16	Pistonring kit	1

***** The spareparts kit is only for one cylinder.

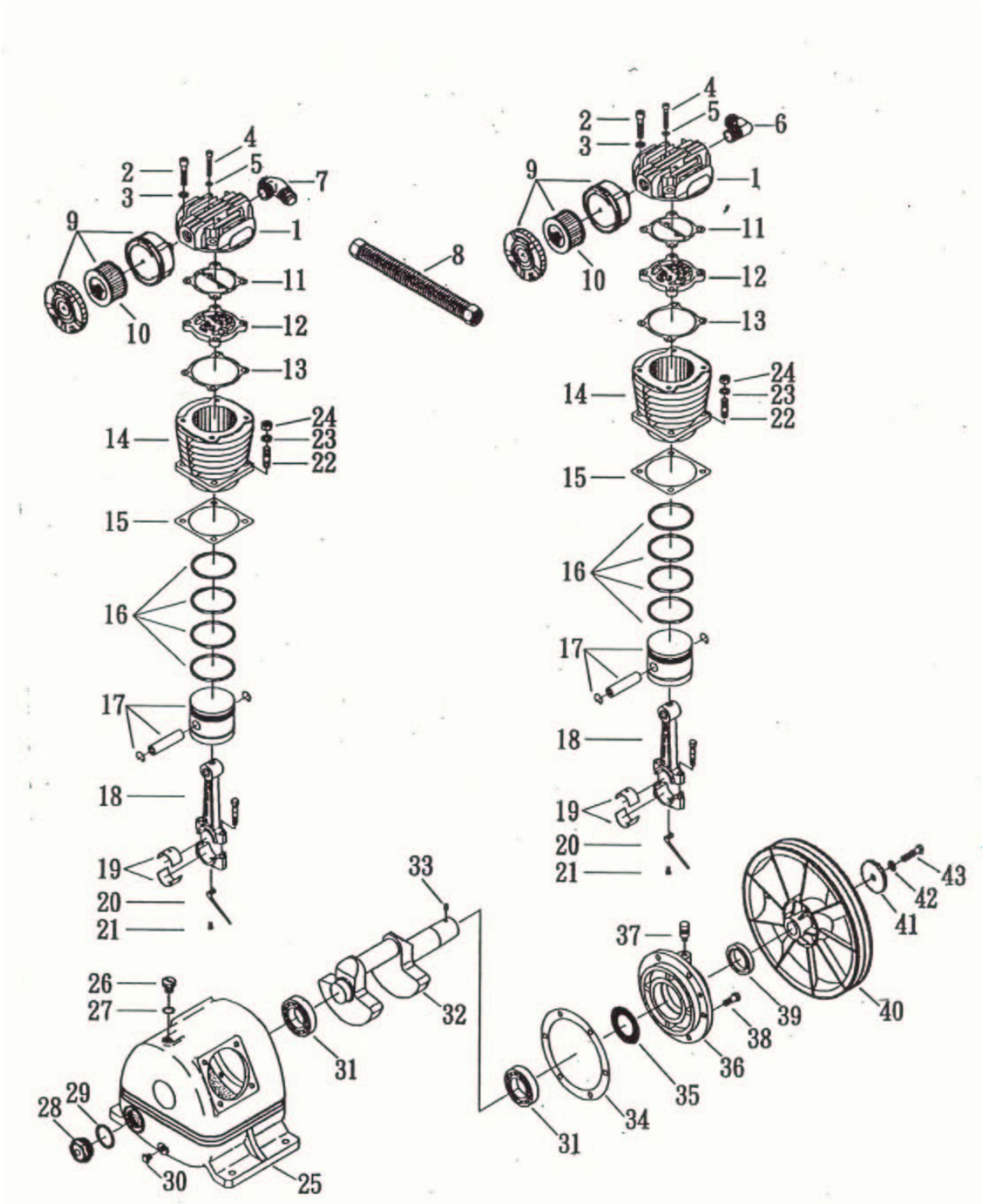
Article no. C49108 Valve kit cpl. HP consist of :		
Ref. no.	**Discription**	**Qty.**
57	Cylinder head packing	1
58	Valve cpl.	1
59	Packing for valve seat	1

***** The spareparts kit is only for one cylinder .

Article no. C49109 Valve kit cpl. LP consist of :		
Ref. no.	**Discription**	**Qty.**
11	Cylinder head packing	1
12	Valve cpl.	1
13	Packing for valve seat	1

***** The spareparts kit is only for one cylinder .

8.8 Drawing for compressorblock type PE 50B



8.8 Spare parts kit for compressorblock type PE 50B

Article no. C49405 Packing kit cpl. consist. of :		
Ref. no.	**Discription**	**Qty.**
11	Cylinder head packing	2
13	Packing for valve seat	2
15	Packing for cylinder	2
27	O-ring	1
29	Oil sight gauge packing	1
34	Rear bearing seat packing	1

***** The spareparts kit is cpl. for the compressorblock.

Article no. C49305 Piston kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
11	Cylinder head packing	1
13	Packing for valve seat	1
15	Packing for cylinder	1
16	Pistonring kit	1
17	Piston kit	1

* The spareparts kit is only for one cylinder.

Article no. C49205 Pistonring kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
11	Cylinder head packing	1
13	Packing for valve seat	1
15	Packing for cylinder	1
16	Pistonring kit	1

***** The spareparts kit is only for one cylinder.

Article no. C49105 Valve kit cpl. LP consist. of :		
Ref. no.	**Discription**	**Qty.**
11	Cylinder head packing	1
12	Valve cpl.	1
13	Packing for valve seat	1

* The spareparts kit is only for one cylinder